SEQUENCE LISTING

<110> Hallenbeck, Paul
Hampton, Garret
Hay, Carl
Huang, Ying
Jakubczak, John
Phipps, Sandrina

<120> FLAP ENDONUCLEASE 1 (FEN1) REGULATORY SEQUENCES AND USES THEREOF

<130> GTIN-021WO

<150> 60/463,148
<151> 2003-04-15

<160> 8

<170> FastSEQ for Windows Version 4.0

<210> 1
<211> 2259
<212> DNA
<213> H. sapiens

<400> 1
catgcggtta tcaaggagcc tggtgctgcc gtgaaacaga ggctgatttt agcccggaaa 60
tgtagctgca gatcaatggc ccttattagc attttctgag gccaataatc tgaccactat 120
gaaaacgtga ctaaaggtac gaactctctg cctgagaaaa accacataca agaaaaagtt 180
tgcctacaat ttccggagct ttgtggacca gtgtctatag acaccaagct gagaaccccc 240
gctataagtc actgactggt ggtacccaga tctcaatatc ttttttttt gacggagtct 300
catttttgg acggcgtctc actctgtcgc ccgggctgga gggcagtggc acgatctcgg 360
ctcactgcaa cctctgcctc ccgggttcta gagattctca tacctcagcc tctcgagtag 420
ctgggactat aggattacag gtgcgcacca ccacatctaa tttttgtatt tttagtagag 480
atggggtttt gccatgctgg ccaggatggt cttgaattcc tgacctcagg tgatctgcct 540
gcctcggcct cccaaagtac tgagattaca ggtgtgagtt gccgcgccca ggctcaattt 600
ttttttttt ccagacagtc ttgctctatc gcccaggctg gagtgcctgg agtgcagtgg 660
tgccaactcg gctcactgca agctccgcct tctgggttca agtgattatc ctgcctcagc 720
ctcccgagca gctgggatta caggtgtgaa ccaccatgcc cggctaattt tttgtatttt 780
taggagagac agggtttcac cttgctggcc aggctggtct tgaacttctg acctcctgat 840
ccgctcgcct cagcctccca aagtgctggg attacaggag tgaaccaccg cgcctggccc 900
tcaatttcta attcagtatt ttcctcacta cctatgctat tatggaatct tgtgagctat 960
ggtcaagaca ttcaagttct ggttctgagt aatctgagfc tgagtaaagc gactgtaata 1020
tctatttcac agaactgaaa aataagaaag atgatgaatc aaagcatcta gtgcctagca 1080
gggagtattt tgctcaacag gtatttgctt ccttcctaag gctgtaggga agatgatgag 1140
ataatgtctt ttatgaaaga gggcfcgtaa cgtaaagatc tgtacaaatg ttaacttcat 1200
tgtcaccggt cagccaatgc ttctaaaatc cagaacataa caactctaga gaagtaaact 1260
gcccccattg ttctgagaca ctggaattca attcagtaaa caatcacggc ccccttcccc 1320
caaaatgata aagacaatca ctgccattta ttgagcttcc aattacgggc cctctgtttg 1380
gcactgagaa tacaaagatg aatagacatc atcccagagc tagatgcgcg tcagacggtg 1440
gtcactagga ggcgtggccg aaaacaaaga agtccatgga acgtggccag agatctgtac 1500
agaggctgtg ggcgctccta ggaaagtctg gccaagtgcc tgagagttgg aagtgcttca 1560
ccaataaaca tttgcccagg gcattgtagg atgggcacgg gttcggcaga agaactttcc 1620
aaataaagat aacacaccac cgataacaga gatatacaaa ctggaaggta ttcaaaattc 1680
gccqcacgcc tctcgccctt agaaatcgcg agctgagaaa cctaaggagt tcatggcaag 1740
gggcttcccc cttccccacc cttcagccca agccggaggt tccaggagcg tctagccctc 1800
tggatctccg gcgtctgagg agataagcgc ggtgtgggtc agaccccgag gggtcctcgc 1860
atctccgtct ggaactcccc tcaacgctct caccattttg ccccgcgaag getaatccgc 1920
cgctccgcca ccggaagaac acgtcgacag gagcaggcgc ctagcacaac cggaaaagga 1980
agtgcctccg gcgcaagtgg cattgaggga cttgtagtcc tgcgatttcg ggtgtagagg 2040
gagcaggggc ctgcggggac ctggtgtggg tggagtgggg acaagcggtg gagaagggta 2100

cgccagggtc gctgagagac tctgttctcc ctggagggac tggttgccat gagagcagcc 2160
gtctgagggg acgcagcctg cactacgcgc cccaagaggc tgtgcgtggc gagcaggtca 2220
cgtgacggga gcgcgggctt tggaaggcgg ctgaacgtc 2259

<210> 2
<211> 239
<212> DNA
<213> H. sapiens

<400> 2
cgtggcggag ggactgggga cccgggcacc cgtcctgccc cttcaccttc cagctccgcc 60
tcctccgcgc ggaccccgcc ccgtcccgac ccctcccggg tccccggccc agccccctcc 120
gggccctccc agcccctccc cttcctttcc gcggccccgc cctctcctcg cggcgcgagt 180
ttcaggcagc gctgcgtcct gctgcgcacg tgggaagccc tggccccggc caccccccgc 239

<210> 3
<211> 245
<212> DNA
<213> H. sapiens

<400> 3
ccccacgtgg cggagggact ggggacccgg gcacccgtcc tgcccccttca ccttccagct 60
ccgcctcctc cgcgcggacc ccgccccgtc ccgacccctc ccgggtcccc ggcccagccc 120
cctccgggcc ctcccagccc ctccccttcc tttccgcggc cccgccctct cctcgcggcg 180
cgagtttcag gcagcgctgc gtcctgctgc gcacgtggga agccctggcc ccggccaccc 240
ccgcg 245

<210> 4
<211> 22
<212> DNA
<213> H. sapiens

<400> 4
gcaagaaggc cacagaggta ct 22

<210> 5
<211> 24
<212> DNA
<213> H. sapiens

<400> 5
gattgccagg tgaacatcac catc 24

<210> 6
<211> 32
<212> DNA
<213> H. sapiens

<400> 6
catgctgcta gccatgcggt tatcaaggag cc 32

<210> 7
<211> 29
<212> DNA
<213> H. sapiens

<400> 7
ttggatatcg acgttcagcc gccttccaa 29

<210> 8
<211> 270

<212> DNA
<213> H. sapiens

<400> 8
tggtaccatc cggacaaagc ctgcgcgcgc cccgccccgc cattggccgt accgccccgc 60
gccgccgccc catcccgccc ctcgccgccg ggtccggcgc gttaaagcca ataggaaccg 120
ccgccgttgt tcccgtcacg gccggggcag ccaattgtgg cggcgctcgg cggctcgtgg 180
ctctttcgcg gcaaaaagga tttggcgcgt aaaagtggcc gggactttgc aggcagcggc 240
ggccgggggc ggagcgggat cgagccctcg 270